

**PCT REQUEST**

09586

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|                |                                                                                                                                                |                                                                        |
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| <b>0</b>       | <b>For receiving Office use only</b>                                                                                                           |                                                                        |
| <b>0-1</b>     | International Application No.                                                                                                                  |                                                                        |
| <b>0-2</b>     | International Filing Date                                                                                                                      |                                                                        |
| <b>0-3</b>     | Name of receiving Office and "PCT International Application"                                                                                   |                                                                        |
| <b>0-4</b>     | <b>Form - PCT/RO/101 PCT Request</b>                                                                                                           |                                                                        |
| <b>0-4-1</b>   | Prepared using                                                                                                                                 | <b>PCT-EASY Version 2.92<br/>(updated 01.11.2003)</b>                  |
| <b>0-5</b>     | <b>Petition</b><br>The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty |                                                                        |
| <b>0-6</b>     | Receiving Office (specified by the applicant)                                                                                                  | <b>Japan Patent Office (RO/JP)</b>                                     |
| <b>0-7</b>     | Applicant's or agent's file reference                                                                                                          | <b>09586</b>                                                           |
| <b>I</b>       | <b>Title of Invention</b>                                                                                                                      | <b>AMINE COMPOUNDS</b>                                                 |
| <b>II</b>      | <b>Applicant</b>                                                                                                                               |                                                                        |
| <b>II-1</b>    | This person is:                                                                                                                                | <b>applicant only</b>                                                  |
| <b>II-2</b>    | Applicant for                                                                                                                                  | <b>all designated States except US</b>                                 |
| <b>II-4</b>    | Name                                                                                                                                           | <b>TAKEDA CHEMICAL INDUSTRIES, LTD.</b>                                |
| <b>II-5</b>    | Address:                                                                                                                                       | <b>1-1, Doshomachi 4-chome, Chuo-ku,<br/>Osaka-shi, Osaka 541-0045</b> |
| <b>II-6</b>    | State of nationality                                                                                                                           | <b>Japan</b>                                                           |
| <b>II-7</b>    | State of residence                                                                                                                             | <b>JP</b>                                                              |
| <b>III-1</b>   | <b>Applicant and/or inventor</b>                                                                                                               |                                                                        |
| <b>III-1-1</b> | This person is:                                                                                                                                | <b>applicant and inventor</b>                                          |
| <b>III-1-2</b> | Applicant for                                                                                                                                  | <b>US only</b>                                                         |
| <b>III-1-4</b> | Name (LAST, First)                                                                                                                             | <b>ABE, Hidenori</b>                                                   |
| <b>III-1-5</b> | Address:                                                                                                                                       | <b>1-3, Satsukigaoka 5-chome,<br/>Ikeda-shi, Osaka 563-0029</b>        |
| <b>III-1-6</b> | State of nationality                                                                                                                           | <b>Japan</b>                                                           |
| <b>III-1-7</b> | State of residence                                                                                                                             | <b>JP</b>                                                              |

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|              |                                                                                                                                                           |                                                                                                             |
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| <b>III-2</b> | <b>Applicant and/or inventor</b>                                                                                                                          |                                                                                                             |
| III-2-1      | This person is:                                                                                                                                           | applicant and inventor                                                                                      |
| III-2-2      | Applicant for                                                                                                                                             | US only                                                                                                     |
| III-2-4      | Name (LAST, First)                                                                                                                                        | MATSUNAGA, Shinichiro                                                                                       |
| III-2-5      | Address:                                                                                                                                                  | 6-16, Minamimukonosou 1-chome,<br>Amagasaki-shi, Hyogo 661-0033<br>Japan                                    |
| III-2-6      | State of nationality                                                                                                                                      | JP                                                                                                          |
| III-2-7      | State of residence                                                                                                                                        | JP                                                                                                          |
| <b>III-3</b> | <b>Applicant and/or inventor</b>                                                                                                                          |                                                                                                             |
| III-3-1      | This person is:                                                                                                                                           | applicant and inventor                                                                                      |
| III-3-2      | Applicant for                                                                                                                                             | US only                                                                                                     |
| III-3-4      | Name (LAST, First)                                                                                                                                        | TAKEKAWA, Shiro                                                                                             |
| III-3-5      | Address:                                                                                                                                                  | 12-8-508, Miyanishi-cho,<br>Nishinomiya-shi, Hyogo 662-0976<br>Japan                                        |
| III-3-6      | State of nationality                                                                                                                                      | JP                                                                                                          |
| III-3-7      | State of residence                                                                                                                                        | JP                                                                                                          |
| <b>III-4</b> | <b>Applicant and/or inventor</b>                                                                                                                          |                                                                                                             |
| III-4-1      | This person is:                                                                                                                                           | applicant and inventor                                                                                      |
| III-4-2      | Applicant for                                                                                                                                             | US only                                                                                                     |
| III-4-4      | Name (LAST, First)                                                                                                                                        | WATANABE, Masanori                                                                                          |
| III-4-5      | Address:                                                                                                                                                  | 18-D-73-301, Tsukumodai 5-chome,<br>Suita-shi, Osaka 565-0862<br>Japan                                      |
| III-4-6      | State of nationality                                                                                                                                      | JP                                                                                                          |
| III-4-7      | State of residence                                                                                                                                        | JP                                                                                                          |
| <b>IV-1</b>  | <b>Agent or common representative; or<br/>address for correspondence</b>                                                                                  |                                                                                                             |
|              | The person identified below is<br>hereby/has been appointed to act on<br>behalf of the applicant(s) before the<br>competent International Authorities as: | agent                                                                                                       |
| IV-1-1       | Name (LAST, First)                                                                                                                                        | TAKASHIMA, Hajime                                                                                           |
| IV-1-2       | Address:                                                                                                                                                  | Fujimura Yamato Seimei Bldg.,<br>2-14, Fushimimachi 4-chome, Chuo-ku,<br>Osaka-shi, Osaka 541-0044<br>Japan |
| IV-1-3       | Telephone No.                                                                                                                                             | 06-6227-1156                                                                                                |
| IV-1-4       | Facsimile No.                                                                                                                                             | 06-6227-0260                                                                                                |
| IV-1-5       | e-mail                                                                                                                                                    | takatony@nifty.com                                                                                          |

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|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>V</b>      | <b>Designation of States</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>V-1</b>    | Regional Patent<br>(other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)                                                                                                                                                                                                                                                                                                                                                                                                                                           | <p>AP: BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT</p> <p>EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT</p> <p>EP: AT BE BG CH&amp;LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT</p> <p>OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT</p> |
| <b>V-2</b>    | National Patent<br>(other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)                                                                                                                                                                                                                                                                                                                                                                                                                                           | <p>AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH&amp;LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW</p>                                                                                                                                                                                                                                                                                                                                 |
| <b>V-5</b>    | <b>Precautionary Designation Statement</b><br>In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>V-6</b>    | Exclusion(s) from precautionary designations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>VI-1</b>   | Priority claim of earlier national application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>VI-1-1</b> | Filing date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 19 November 2002 (19.11.2002)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>VI-1-2</b> | Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | patent application No. 2002-335661                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>VI-1-3</b> | Country                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | JP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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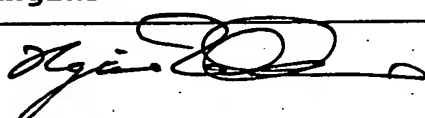
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|               |                                                                                                                                                                                                       |                                              |                                    |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------|
| <b>VI-2</b>   | <b>Priority claim of earlier national application</b>                                                                                                                                                 |                                              |                                    |
| <b>VI-2-1</b> | <b>Filing date</b>                                                                                                                                                                                    | <b>19 March 2003 (19.03.2003)</b>            |                                    |
| <b>VI-2-2</b> | <b>Number</b>                                                                                                                                                                                         | <b>patent application No. 2003-76435</b>     |                                    |
| <b>VI-2-3</b> | <b>Country</b>                                                                                                                                                                                        | <b>JP</b>                                    |                                    |
| <b>VI-3</b>   | <b>Priority document request</b><br>The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s): | <b>VI-1, VI-2</b>                            |                                    |
| <b>VII-1</b>  | <b>International Searching Authority Chosen</b>                                                                                                                                                       | <b>European Patent Office (EPO) (ISA/EP)</b> |                                    |
| <b>VIII</b>   | <b>Declarations</b>                                                                                                                                                                                   | <b>Number of declarations</b>                |                                    |
| <b>VIII-1</b> | <b>Declaration as to the identity of the inventor</b>                                                                                                                                                 | —                                            |                                    |
| <b>VIII-2</b> | <b>Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent</b>                                                                       | —                                            |                                    |
| <b>VIII-3</b> | <b>Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application</b>                                                           | —                                            |                                    |
| <b>VIII-4</b> | <b>Declaration of inventorship (only for the purposes of the designation of the United States of America)</b>                                                                                         | —                                            |                                    |
| <b>VIII-5</b> | <b>Declaration as to non-prejudicial disclosures or exceptions to lack of novelty</b>                                                                                                                 | —                                            |                                    |
| <b>IX</b>     | <b>Check list</b>                                                                                                                                                                                     | <b>number of sheets</b>                      | <b>electronic file(s) attached</b> |
| <b>IX-1</b>   | <b>Request (including declaration sheets)</b>                                                                                                                                                         | <b>5</b>                                     | —                                  |
| <b>IX-2</b>   | <b>Description</b>                                                                                                                                                                                    | <b>465</b>                                   | —                                  |
| <b>IX-3</b>   | <b>Claims</b>                                                                                                                                                                                         | <b>7</b>                                     | —                                  |
| <b>IX-4</b>   | <b>Abstract</b>                                                                                                                                                                                       | <b>1</b>                                     | <b>EZABST00.TXT</b>                |
| <b>IX-5</b>   | <b>Drawings</b>                                                                                                                                                                                       | <b>0</b>                                     | —                                  |
| <b>IX-7</b>   | <b>TOTAL</b>                                                                                                                                                                                          | <b>478</b>                                   |                                    |

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|       | Accompanying Items                                         | paper document(s) attached                                                          | electronic file(s) attached |
|-------|------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------|
| IX-8  | Fee calculation sheet                                      | ✓                                                                                   | -                           |
| IX-9  | Original separate power of attorney                        | ✓                                                                                   | -                           |
| IX-11 | Copy of general power of attorney                          | ✓                                                                                   | -                           |
| IX-17 | PCT-EASY diskette                                          | -                                                                                   | Diskette                    |
| IX-18 | Other (specified):                                         | Revenue stamps of transmittal fee for receiving office                              | -                           |
| IX-18 | Other (specified):                                         | Submission of certificate of payment for search fee                                 | -                           |
| IX-18 | Other (specified):                                         | Submission of certificate of payment for international fee                          | -                           |
| IX-19 | Figure of the drawings which should accompany the abstract |                                                                                     |                             |
| IX-20 | Language of filing of the international application        | English                                                                             |                             |
| X-1   | Signature of applicant, agent or common representative     |  |                             |
| X-1-1 | Name (LAST, First)                                         | TAKASHIMA, Hajime                                                                   |                             |

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|        |                                                                                                                                         |        |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------|--------|
| 10-1   | Date of actual receipt of the purported international application                                                                       |        |
| 10-2   | Drawings:                                                                                                                               |        |
| 10-2-1 | Received                                                                                                                                |        |
| 10-2-2 | Not received                                                                                                                            |        |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application |        |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)                                                              |        |
| 10-5   | International Searching Authority                                                                                                       | ISA/EP |
| 10-6   | Transmittal of search copy delayed until search fee is paid                                                                             |        |

## FOR INTERNATIONAL BUREAU USE ONLY

|      |                                                                |  |
|------|----------------------------------------------------------------|--|
| 11-1 | Date of receipt of the record copy by the International Bureau |  |
|------|----------------------------------------------------------------|--|